

**Notice of Allowability**

Application No.

10/773,736

Examiner

Tho G. Phan

Applicant(s)

LINDENMEIER, HEINZ

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a telephone interview with Mr. Allison Collard on 3/24/05.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ The drawings filed on 06 February 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 2/6/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Tho G Phan  
Primary Examiner  
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## **DETAILED ACTION**

### **REMARKS**

Examiner telephoned the applicant's representative to suggest that claims 1-10 be amended to overcome the antecedent basis, that was approved by applicant's representative. The case is now in condition for allowance.

### **EXAMINER'S AMENDMENT**

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with MR. Allison Collard on 3/24/05.

### **The application has been amended as follows:**

#### **In the claims:**

Claim 1, line 4, "(10)" has been deleted.

Claim 1, line 5, "(11)" has been deleted.

Claim 1, line 6, "(1)" has been deleted.

Claim 1, line 8, "(11)" has been deleted.

Claim 1, line 9, "(10)" has been deleted.

Claim 1, line 9, "(1)" has been deleted.

Claim 1, line 11, "(2)" has been deleted.

Claim 1, line 12, "(3)" has been deleted.

Claim 1, line 12, "(10)" has been deleted.

Claim 1, line 14, "(11)" has been deleted.

Claim 1, line 15, "(4)" has been deleted.

Claim 1, line 16, "(3)" has been deleted.

Claim 1, line 16, "(2,2')" has been deleted.

Claim 1, line 19, "said" has been changed to – an--.

Claim 1, line 20, "(2)" has been deleted.

Claim 1, page 12, line 1, "(4)" has been deleted.

Claim 1, page 12, line 4, "(2)" has been deleted.

Claim 1, page 12, line 4, "said" has been changed to – the--.

Claim 1, page 12, line 5, "of said" has been inserted after –impedance--.

Claim 1, page 12, line 5, "(4)" has been deleted.

Claim 2, line 2, "said" has been changed to – an--.

Claim 2, line 2, "(2)" has been deleted.

Claim 2, line 4, "(5)" has been deleted.

Claim 2, line 5, "(10)" has been deleted.

Claim 3, line 2, "said" has been changed to – an--.

Claim 3, line 2, "(2)" has been deleted.

Claim 3, line 3, "(6)" has been deleted.

Claim 3, line 5, "(2)" has been deleted.

Claim 3, line 5, "(10)" has been deleted.

Claim 4, line 2, "(4)" has been deleted.

Claim 4, line 3, "(8)" has been deleted.

Claim 4, line 7, "(10)" has been deleted.

Claim 4, line 8, "(4)" has been deleted.

Claim 5, line 3, "(4)" has been deleted.  
Claim 5, line 5, "(2)" has been deleted.  
Claim 6, line 5, "(1)" has been deleted.  
Claim 6, line 5, "(5)" has been deleted.  
Claim 6, line 6, "(2)" has been deleted.  
Claim 6, line 7, "(4)" has been deleted.  
Claim 6, line 8, "(8)" has been deleted.  
Claim 7, line 2, "(6)" has been deleted.  
Claim 7, line 4, "(2)" has been deleted.  
Claim 7, line 7, "(2)" has been deleted.  
Claim 8, line 2, "(5)" has been deleted.  
Claim 8, line 3, "(2)" has been deleted.  
Claim 8, line 4, "(3)" has been deleted.  
Claim 8, line 5, "(6)" has been deleted.  
Claim 8, line 6, "(2)" has been deleted.  
Claim 9, line 2, "(1)" has been deleted.  
Claim 10, line 2, "(5)" has been deleted.  
Claim 10, line 3, "(2)" has been deleted.  
Claim 10, line 4, "(3)" has been deleted.  
Claim 10, line 5, "(6)" has been deleted.  
Claim 10, line 6, "(2)" has been deleted.

***Allowable Subject Matter***

1. The following is a statement of reasons for the indication of allowable subject matter: Claim 1 is allowable over the art of record because the prior art does not teach a roof capacitor that is structured essentially as a flat area, and disposed substantially perpendicular to the straight line, and connected with the monopole element the roof capacitor being essentially structured with rotation of symmetry and comprising a plurality of flat ring structures that are separated from one another by ring-shaped gaps of the monopole element, the ring structures being disposed concentric to the straight line, reactance circuits disposed in the ring-shaped gaps and coupled to adjacent ring structures in a frequency-dependent manner, so that all of the flat ring structures are active for a wireless communication service having the lowest frequency and in combination with the remaining claimed limitations.

***Conclusion***

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The patents to Tessari, Campbell et al, Villaseca et al and Chiang et al are cited as of interested and illustrated a similar structure to a compact monopole antenna assembly.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho G. Phan whose telephone number is 571-272-1826. The examiner can normally be reached on M-F, 9:30-6:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tho G Phan  
Primary Examiner  
Art Unit 2821